

REMARKS

The application is believed to be in condition for allowance.

New claims 17-18 and 20 are based on original claim 1 and the disclosure found on page 6 of the specification, i.e.:

"The extractor first tool 18 is composed of a cylindrical stem 22, which is provided with a curved end 23 and which is housed, freely rotatable, in a support seating 24, anchored to an end of a pivot 25 arranged internally of the arm 16. Preferably the angle comprised between the curved end 23 and the cylindrical stem 22 is comprised between 45° and 90°. The cylindrical stem 22 of the first tool 18 is connected at an upper end thereof to a con rod mechanism 26 activated by an actuator cylinder 27 to move between two positions, one of which positions is the arrangement of the curved end 23 tangentially to the wheel rim 21, as shown in figure 2, while the other position is the arrangement of the curved end 23 perpendicularly to the wheel rim, in a hooking configuration on the bead 28 of the tire, as shown in figure 4."

New claim 19 is based on allowable claim 4.

Claim 1 has been amended to rearrange the claim recitations and thereby clarify the claim.

Allowable claim 4 has been amended to include the recitations of original claim 1. Allowance of claim 4 is solicited.

Claims 1-3, 5-7, 10-11, 13-14, and 16 were rejected as anticipated by BONACINI.

Neither amended claim 1 nor the new claims are believed to be anticipated or rendered obvious by BONANCINI.

The BONACINI station for mounting on and removing vehicle wheel tires includes a horizontal guiding cross-member cantilevering out from a top vertex of said frame (column 6, lines 47-48); and a carriage which is supported on said cross-member (column 6, line 49).

See that both applicant's tool arms are located on the same side of the wheel support because both of them are constrained to a vertical column. The upper bearing tool arm and the lower bearing tool arm are only vertically translatable with respect to the lateral vertical column.

Further, the tool bearing arms of the applicant's invention have very different structures. The tools themselves are different: the BONACINI extractor first tool 17, comprising a curved end (claw), is integral with a support bearing a second tool (which second tool comprises a freely rotating plate 16) and both tools form a rotating group articulated to the lower end of the rod 12. Because of this articulated joint the extractor first tool 17, comprising a curved end (claw), may only be rotated in a fixed working position; the curved end (claw) once inserted between rim and tire cannot be rotated into a hooking

position with a bead of the tire in order to extract the bead from the rim of the wheel.

On the contrary in the applicant's invention the extractor first tool 18 is composed of a cylindrical stem 22, which is provided with a curved end 23 and which is housed, freely rotatable, in a support seating 24, anchored to an end of a pivot 25 arranged internally of the arm 16. The cylindrical stem 22 of the first tool 18 is connected at an upper end thereof to a con rod mechanism 26 activated by an actuator cylinder 27 to move between two positions, one of which positions is the arrangement of the curved end 23 tangentially to the wheel rim 21, as shown in figure 2, while the other position is the arrangement of the curved end 23 perpendicularly to the wheel rim, in a hooking configuration on the bead 28 of the tire, as shown in figure 4.

Moreover, the axis of the first tool 18 is inclined with respect to the wheel axis; the first tool 18 is also not comprised in a plane passing through the wheel axis. This skewed position of the two axes facilitates extraction of the tire from the rim when the curved end 23 of the first tool 18 has hooked onto the bead 28 of the tire.

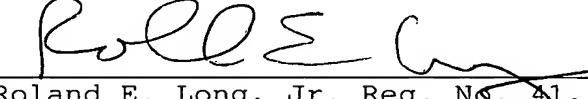
Since BONACINI does not teach or suggest all the recited features of the invention, the anticipation render is not viable. Reconsideration and allowance of all the claims are therefore respectfully requested.

Should there be any matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

YOUNG & THOMPSON



Roland E. Long, Jr. Reg. No. 41,949
745 South 23rd Street
Arlington, VA 22202
Telephone (703) 521-2297
Telefax (703) 685-0573
(703) 979-4709

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